

Title (en)

APPARATUS FOR ESTIMATING VOLTAGE OF HYBRID SECONDARY BATTERY AND METHOD THEREFOR

Title (de)

VORRICHTUNG ZUR MESSUNG DER SPANNUNG EINER HYBRIDSEKUNDÄRBATTERIE UND VERFAHREN DAFÜR

Title (fr)

APPAREIL D'ESTIMATION DE TENSION DE BATTERIE SECONDAIRE HYBRIDE ET SON PROCÉDÉ

Publication

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Application

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Abstract (en)

[origin: EP3059600A1] An apparatus and a method for estimating voltage of a hybrid secondary battery are provided, in which the hybrid secondary battery includes a first secondary battery and a second secondary battery having different electrochemical characteristics from each other and being connected in parallel with each other. The apparatus includes a sensor unit which measures an operating current of the hybrid secondary battery, and a control unit which estimates the voltage of the hybrid secondary battery using the operating current, and a voltage equation derived from a circuit model including a first circuit unit which simulates a voltage variation of the first secondary battery by a first open-circuit voltage element and optionally, a first impedance element, and a second circuit unit which is connected in parallel with the first circuit unit and simulates a voltage variation of the second secondary battery by a second open-circuit voltage element and optionally, a second impedance element.

IPC 8 full level

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CPC (source: EP KR US)

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